

## METHODS AND COMPOSITIONS FOR MONITORING POLYMER ARRAY SYNTHESIS

### ABSTRACT OF THE DISCLOSURE

VLSIPS™ manufacturing processes are of increasing commercial importance. The present invention provides methods and compositions for monitoring the efficiency and quality of polymer synthesis in VLSIPS™ arrays. Methods for monitoring polymer synthesis in an array on a substrate are provided. Monoisomeric labels for the labeling of synthetic polymer arrays are provided. Methods and compositions for post-synthetically labeling polymers in polymer arrays are also provided.